MULTIMEDIA UNIVERSITY ®

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2022/2023 (TERM ID 2210)

PCA0084 – COMPUTER SYSTEM AND WEB DESIGN

(Foundation in Business)

9 FEBRUARY 2023
2.30 p.m. – 4.30 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of **THREE** pages (excluding the cover page).
2. Answer **ALL** questions.
3. Write your answers in the Answer Booklet provided.

Instructions: Answer **ALL** questions. Write your answers in the Answer Booklet.

QUESTION 1

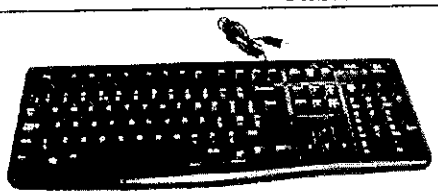
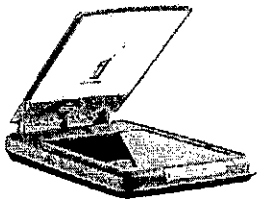
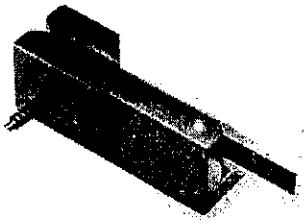
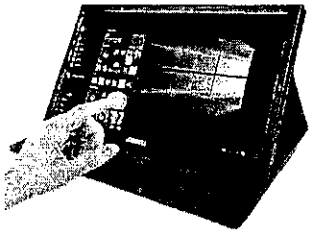
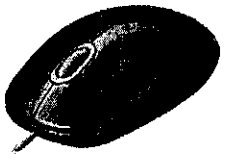
a. Describe the difference between voice input and audio input.

(2 marks)

b. Name the computing devices shown in **Table 1** below.

(3 marks)

Table 1: Computing devices

i. 	iv. 
ii. 	v.
iii. 	vi. 

c. Give **THREE (3)** reasons, why users subscribe to cloud storage.

(3 marks)

d. What is a non-impact printer? Suggest **TWO (2)** examples of the printer.

(2 marks)

QUESTION 2

a. Buses allow various computing devices to attach to a system unit and communicate with one another. Identify **TWO (2)** types of buses and their functions.

(3 marks)

b. A processor contains two components which are known as a control unit and an arithmetic logic unit. What are the functions of these components?

(2 marks)

Continued...

c. List and explain **TWO (2)** benefits of using software suite in your company.

(2 marks)

d. Application software is available in various form of distributions. Explain briefly each of the distribution form below:

(3 marks)

i. Retail Software
ii. Open-Source Software
iii. Shareware

QUESTION 3

a. An operating system usually provides an automatic update or a service pack to users. Identify **THREE (3)** benefits of installing an automatic update to our computer.

(3 marks)

b. Explain these terms:
   i. Device driver
   ii. Plug and Play

(2 marks)

c. Explain the difference between Personal Area Network (PAN), Local Area Network (LAN) and Wide Area Network (WAN).

(3 marks)

d. Communication devices are important to transmit data and instruction between a sending device and a receiving device. Wireless access point and router are the examples of communication devices. Explain the function of these devices.

(2 marks)

QUESTION 4

a. Complete **Table 2** below with the suitable validity checks for the listed fields and describe the purpose of the validity checks.

(3 marks)

Table 2: List of fields

Field	Validity Checks	Purpose
patient name		
email address		

b. State **TWO (2)** advantages of using database approach in an organisation.

(2 marks)

Continued...

c. The logo designed for the application is compressed as Portable Network Graphics (PNG). Based on the image in **Figure 1**, write the compression for the line given:

(3 marks)

i. Line 2
ii. Line 3
iii. Line 5

Line 1
Line 2
Line 3
Line 4
Line 5

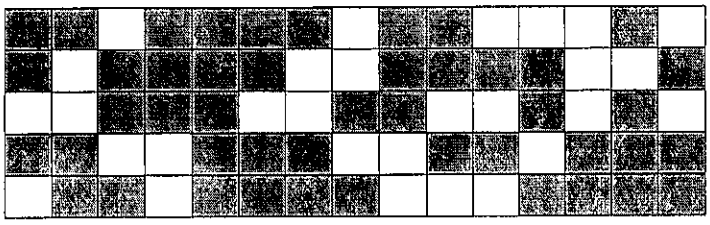


Figure 1

d. What is the difference between Computer-based Training (CBT) and distance learning?

(2 marks)

QUESTION 5

a. What is Bluetooth technology? Describe **TWO (2)** usages of Bluetooth technology via our smartphones.

(3 marks)

b. Refer to **Table 3**, match the terms in the left column with the correct definitions in the right column.

(2 marks)

Table 3: Terms and definitions related with database

Term	Definition
i. Field	A. the procedures that keep data current
ii. Primary key	B. process of comparing data with a set of rules or values to find out if the data is correct
iii. File maintenance	C. field that uniquely identifies the record
iv. Validation	D. combination of one or more character

c. List and explain **TWO (2)** categories of cybercrime perpetrators.

(3 marks)

d. Identify **TWO (2)** factors that cause hardware failure.

(2 marks)

End of Paper